

Thermometer Investigation

1. With your partner, closely examine the thermometer you have been given. Discuss and write your answers to the following questions:
 - A. Where is most of the liquid in your thermometer?
 - B. In what units does your thermometer measure temperature?
 - C. What is the temperature range of your thermometer?
 - D. What do you notice about the distance between the marks on the scale of your thermometer?
2. Hold the bulb on the thermometer (the red end) in your hand. What happens to the red liquid?
3. Let go of the bulb and hold on to the other end of the thermometer. What happens to the red liquid now?
4. Why does the liquid in the thermometer move up and down?
Use specific vocabulary in your answer.
5. When temperature INCREASES, what happens to the:
 - A. Volume of liquid inside the thermometer _____
 - B. Mass of liquid inside the thermometer _____
6. When temperature DECREASES, what happens to the:
 - A. Volume of liquid inside the thermometer _____
 - B. Mass of liquid inside the thermometer _____